Index of Claims

Application/Control No

10/517,432

Examiner

Lars A. Olson

Applicant(s)/Patent under Reexamination

VIRE ET AL.

Art Unit

3617

√	Rejected
=	Allowed

_	(Through numeral) Cancelled
÷	Restricted

N	Non-Elected
_	Interference

A	Appeal
0	Objected

Claim Date Claim I (1) = 51 -2 - 3 53 2 4 = 3 54 3 5 = 5 55 4 6 = 5 55 5 7 = 6 58 9 (3) = 7 59 40 - 6 60 10 (7) = 13 60 11 12 = 6 62 13 - 7 14 = 6 63 16 = 6 66 17 14 = 6 66 17 14 = 7 66 18 18			_	_				J								_	-
The state of the	Cla	aim	Γ		_	-	Date	е		_		۱ (Cla	im		_	_
3			6/8														
3 - 53 2 4 5 3 5 5 4 6 - 55 5 7 - 55 6 8 - 57 6 8 - 60 10 17 - 61 11 12 - 62 - - 64 - 12 13 - 64 12 15 - 66 20 - 70 - 21 - 71 - 22 - 70 - 23 - 73 - 24 - 74 - 25 - 76 - 26 - 76 - 27 - 77 - 28 - 78 - 29 - 79 - 30 80 80 - 31 82 <td></td> <td>1</td> <td>Ξ</td> <td></td> <td>51</td> <td></td> <td></td> <td></td>		1	Ξ											51			
3 - 53 2 4 5 3 5 5 4 6 - 55 5 7 - 55 6 8 - 57 6 8 - 60 10 17 - 61 11 12 - 62 - - 64 - 12 13 - 64 12 15 - 66 20 - 70 - 21 - 71 - 22 - 70 - 23 - 73 - 24 - 74 - 25 - 76 - 26 - 76 - 27 - 77 - 28 - 78 - 29 - 79 - 30 80 80 - 31 82 <td></td> <td>-2-</td> <td></td> <td></td> <td>-</td> <td></td> <td>Γ</td> <td></td> <td></td> <td></td> <td></td> <td>ll</td> <td></td> <td>52</td> <td></td> <td></td> <td>Г</td>		-2-			-		Γ					ll		52			Г
2 4 \$ 54 55 55 55 55 55 55 55 56 57 56 57 56 57 56 57 56 57 56 57 56 57 56 57 66 57 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 60 61 11 12 62 63 63 63 63 63 63 64 64 62 63 63 66 66 66 66 67 63 67 66 66 67 67 67 68 66 67 67 67 68 69 69 69 69 69 70 70 71 72 72 73 73 73 74 74 74 74 74 74 74 75 75 75 75 76 77 77 77 77 77 77 77 77 77 77		3			-							İÌ		53			Γ
3 5 = 55 4 6 = 56 5 7 = 58 9 (9) = 59 40 - 60 60 10 (17) = 62 - - 13 63 63 - 7 14 = 66 62 - - 13 63 63 63 - 7 14 = 66 66 66 66 66 66 66 66 66 66 66 66 66 66 67 71 71 72 72 73 74 72 72 72 73 74 74 74 74 74 74 74 74 74 77 77 28 78 79 78 79 30 80 81 81 33 83 83 83 84 84 33 83 84 85 36 86 37 87	2		=		<u> </u>											_	Г
4 6 = 56 57 56 57 60 57 58 59 58 59 60 60 60 61 11 12 12 62 62 62 63 63 63 63 63 63 63 63 64 62 64 62 62 64 62 62 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 63 64 64 62 64 62 62 63 63 63 63 63 63 63 63 63 63 63 63 63 63 64 64 64 64 65 66 66 67 73 74 74 74 72 72 73 74 72 72 73 74 74 74 74 74 74 74 74 74 77 77 77 78 78 79 78 78 79	2		=		T	Т	I	T	_	_				55			Г
5 7 = 57 6 8 = 58 9 9 = 60 10 17 = 62 11 12 = 63 7 14 = 65 16 = 65 66 17 18 68 69 20 70 70 70 21 71 72 72 23 73 74 74 25 76 77 77 28 78 79 30 30 80 80 81 31 81 81 82 33 83 84 85 36 86 86 86 37 87 87 87 38 89 90 90 41 91 92 93 44 94 94 94 44 94 94 94 44 94	u				\vdash	-	_	_		\vdash			-			_	H
10	5		-	\vdash	H	\vdash	\vdash		-	-						_	H
10			-	-		\vdash	\vdash	\vdash	\vdash	-	-			58	Н	_	H
10	a	78	_	-	\vdash	\vdash		\vdash	\vdash	┢					Н	_	H
10 (17) = 61 11 12 = 62 - 13 - 63 7 14 = 64 12 (15) = 65 6 16 = 66 17 67 18 68 19 69 20 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 93 44 94 45 95	\vdash		Ē				\vdash	┢	\vdash	\vdash	┢			60	Н		H
11 12 = 62 63 63 63 64 62 63 64 64 65 65 65 65 65 66 67 66 67 68 69 69 69 70 71 72 73 72 73 72 73 74 75 26 76 77 78 79 30 80 31 81 32 82 33 83 83 83 83 83 84 35 36 86 37 87 38 88 39 40 90 90 91 91 94 44 94 44 94 45 96 47 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97 97	10	_	-			-	┢	⊢	┢	-	┢┈			61		_	H
- 13 - 63 7 14 = 6 64 12 03 = 65 65 67 16 = 67 68 19 69 69 20 70 71 21 71 71 22 72 73 23 73 74 25 26 76 27 77 77 28 79 79 30 80 80 31 31 81 32 82 82 33 83 83 34 84 84 35 36 86 37 38 87 38 89 90 40 90 90 41 4 91 91 42 92 93 43 94 94 45 95 96			1—	-	┢	╁	┢	-	\vdash	⊢	-				Н	_	┝
7 14 = 64 12_03 = 65 66 65 17 68 19 69 20 70 21 71 22 72 23 73 24 74 25 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 45 95 46 96	11-		-	-	\vdash		\vdash	\vdash	⊢	\vdash	-			63	Н	_	┝
12_ (15) = 65 66 66 17 68 18 68 19 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 95 46 96	7		E		F	F		╁	┢	-	⊢			64	Н	_	H
\$ 16 = 66 17 68 18 68 19 70 21 71 22 72 23 73 24 74 25 75 26 77 27 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 45 95 46 96	10	-			-	-	├	┢	\vdash	\vdash	\vdash				Н	_	⊦
17 18 67 19 68 20 70 21 71 22 72 23 73 24 74 25 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 45 95 46 96	16	16		\vdash	\vdash	├	\vdash	-	⊢	╌				66	Н	_	┝
18 68 19 69 20 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 45 95 46 96	3		=	⊢	H	 	 	-	┢	-	\vdash						⊦
19 69 20 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 96 47 97	—		Н	-		\vdash	-	-	⊢	⊢	⊢				Н	_	H
20 70 21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96	<u> </u>	10	⊢		⊢	⊢	-		-	┢	-				Н	_	┝
21 71 22 72 23 73 24 74 25 75 26 76 27 77 28 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 94 45 95 46 96 47 97	ļ		-	├	_	⊢	_	-	-	-	⊢			70	Н		⊦
22 72 23 73 24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97			H	\vdash			 	-	-	-	\vdash				-	_	┞
23 73 24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 44 94 45 95 46 96 47 97		21		_	├-	⊢	├—	-	┝	 	┝					_	⊦
24 74 25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 40 90 41 91 42 92 43 94 45 95 46 96 47 97	 	22	-	-	⊢	 	-	 		⊢	 			72	Н	_	┞
25 75 26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 45 95 46 96 47 97	-	23		\vdash			\vdash	_	├-	-				73	Н		┞
26 76 27 77 28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 45 95 46 96 47 97	-	24	-	 	H	H	H	-	<u> </u>	⊢					Н		┝
27 28 77 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 45 95 46 96 47 97	-	25	├-		-	 —		-	-	⊢	⊢				Н		⊦
28 78 29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 45 95 46 96 47 97		26	-	<u> </u>	⊢	H	-	┢	⊢	┝	⊢			77	-		┞
29 79 30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 90 41 91 42 92 43 94 45 95 46 96 47 97			⊢	-	 	-	-		_	<u> </u>	_				Н	_	⊦
30 80 31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97	-		-			⊢	_		 	\vdash	H				Н	_	┝
31 81 32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97		29	├—	<u> </u>	⊢	⊢	├	-	├-	├	⊢				Н		╀
32 82 33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97			_	_	├—			-	<u> </u>	-	-						┞
33 83 34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97			-				⊢	⊢	⊢	 	_				-	_	┞
34 84 35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97	_		H		├		<u> </u>	-	\vdash	\vdash	-			02	$\vdash \vdash$		╀
35 85 36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97	-		\vdash	\vdash	 	 	 	 	-	-	<u> </u>				\vdash	_	┞
36 86 37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97	-	34	H	\vdash	 - 	-	-	-	-	⊢	⊢			84	$\vdash\vdash$		┞
37 87 38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97	\vdash		Н	├-	-	├	<u> </u>	\vdash	_	⊢	⊨				$\vdash\vdash$		\vdash
38 88 39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97	-			<u> </u>	-	\vdash	<u> </u>	<u> </u>	\vdash	\vdash	\vdash				\vdash	_	╀
39 89 40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97			-	<u> </u>	_	 	<u> </u>	<u> </u>	 -	├							┞
40 90 41 91 42 92 43 93 44 94 45 95 46 96 47 97	<u> </u>		\vdash	<u> </u>	<u> </u>	├-	⊢	<u> </u>	\vdash	\vdash	<u> </u>						1
41 91 42 92 43 93 44 94 45 95 46 96 47 97	_		\vdash	\vdash	_	\vdash	\vdash	_	 	├	<u> </u>				\vdash	_	L
42 92 43 93 44 94 45 95 46 96 47 97	<u> </u>	40	\vdash	<u> </u>	<u> </u>	\vdash	\vdash	<u> </u>	<u> </u>	\vdash						_	1
43 93 94 94 95 95 96 97 97	-		—	<u> </u>	_	-	 —	 	 	├	<u> </u>				\sqcup		\vdash
44 94 45 95 46 96 47 97	<u> </u>	42	\vdash	<u> </u>	\vdash	<u> </u>	<u> </u>	<u> </u>	<u> </u>	├				92	$\vdash \vdash$		┞
45 95 96 96 47 97	-		-	<u> </u>		-	<u> </u>	├	-	 	<u> </u>				$\vdash \vdash$	_	-
46 96 97 97	-		ļ	<u> </u>	\vdash	<u> </u>	 	<u> </u>	<u> </u>	⊢					 		┞
47 97	├		\vdash	<u> </u>	\vdash	<u> </u>	\vdash	 	 	⊢	<u> </u>			95		_	L
	<u> </u>			<u> </u>	_	<u> </u>	 —	<u> </u>		<u> </u>	<u> </u>				Ш		\vdash
48 98	<u> </u>		_	<u> </u>		<u> </u>	\vdash	 	\vdash	\vdash	<u> </u>				\sqcup		L
	-			\vdash	<u> </u>	<u> </u>	 -	 —	 	ļ	L				\square	_	L
49 99	<u> </u>		_	<u> </u>	<u> </u>	<u> </u>	\vdash	<u> </u>	<u> </u>	⊢	L				\sqcup	_	L
50 100		50	L	L	L_	<u> </u>	Щ	<u> </u>	<u></u>	Щ	L_	J l		100	Ш	_	L

Cla	aim		_		(Date				
I =	<u> </u>									
Final	<u>:</u>									
"	Original									
	51									
	52	_			_					
	53	 '	_	_	-	\vdash	-	_	-	Н
	53	├-	<u> </u>		<u> </u>	-	_	-	-	\vdash
	54		<u> </u>	\vdash	\vdash					\vdash
	55									
	56		l		ļ					
	57									
	58	\vdash	$\overline{}$						_	
-	59		\vdash				-		-	Н
	29	├-	<u> </u>	H	<u> </u>	H				Н
	60		<u> </u>	_	_	<u> </u>	_			Ш
	61	$oxed{oxed}$	<u> </u>	$oxed{oxed}$		L			L	
	62				_					
	63				Г		Г			
	64	\vdash	\vdash		\vdash	<u> </u>	\vdash	\vdash	\vdash	
	64 65	-	\vdash	\vdash	 	├	\vdash	-	-	\vdash
<u> </u>	00	_	<u> </u>		<u> </u>	├		<u> </u>	├-	\vdash
\perp	66		_	_	_	<u> </u>	<u> </u>	<u> </u>	<u> </u>	Щ
L	67		L			L		<u> </u>	L	
	68									
	69				Г					
	70		-		\vdash			_	H	
	71	-	-	┝	┝	\vdash		\vdash	\vdash	-
	71		-	⊢	⊢	├	_	⊢	⊢	
	72 73		_		_	_	_	_		
	73									
	74						1			
	75								П	
	76		_					_	\vdash	
-	77	-	-		\vdash	⊢	-	-	┝	-
	77	-	-		<u> </u>	-	├-	<u> </u>	├—	-
	78 79	<u> </u>	_			_	<u> </u>	_	ļ	ļ
	79									
	80									
	81									
	82	_	Т		Т	Г	\vdash	\vdash	\vdash	П
-	83	\vdash	\vdash	\vdash	\vdash	\vdash	 	\vdash	-	\vdash
-	0.3	<u> </u>	\vdash	-	\vdash	\vdash	-	 	\vdash	Н
<u> </u>	84	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	Ш
	85	$ldsymbol{ldsymbol{ldsymbol{eta}}}$		$oxed{oxed}$	<u> </u>	L	$ldsymbol{ldsymbol{ldsymbol{eta}}}$	_	$ldsymbol{ldsymbol{ldsymbol{eta}}}$	Ш
L	86 87					L		L	L	
	87									
	88				Г			Г		П
	89	 	\vdash	\vdash	\vdash	\vdash	\vdash	\vdash	\vdash	\vdash
\vdash	90	\vdash		Н	\vdash	\vdash	├		-	\vdash
		-	\vdash	<u> </u>	-	\vdash	<u> </u>	<u> </u>	\vdash	\vdash
	91	<u> </u>	<u> </u>	┕	<u> </u>	ļ	<u> </u>	_	<u> </u>	Щ
	92	$oxed{oxed}$				$oxed{oxed}$	<u> </u>	$ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ldsymbol{ld}}}}}}$	$ldsymbol{f eta}$	Ш
	93	L			L	L	L	L	L	Lij
	94				П					
	95		\vdash		\vdash	Т	\vdash	\vdash	\vdash	П
	96		\vdash	-	\vdash	\vdash	 -	 	 	Н
-	90	<u> </u>	-		\vdash	\vdash	\vdash	⊢-	-	\vdash
	97	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	⊢-	Н
	98	_				L		<u></u>	<u> </u>	Ш
	99				L		L	L	L	
	100	$\overline{}$	$\overline{}$							

Cla				[Date	•				
Final	Original									
Ē	Orig									
				L						
	101 102									
	102			L			_		L	
	103						_	_	_	Ш
	103 104 105			<u> </u>		L.,		_	_	Ш
	105	<u> </u>		_	L.			<u> </u>	<u> </u>	
	106 107 108	$oxed{oxed}$	_	<u> </u>				<u> </u>	<u> </u>	Ш
	107			<u> </u>				<u> </u>	<u> </u>	Ш
	108	_	_		_	_	<u> </u>			\vdash
	109 110	\vdash	\vdash	<u> </u>			_	┝	<u> </u>	\vdash
	110	_		-	<u> </u>		-		-	Н
	111	\vdash	-	\vdash	\vdash	\vdash	-		├—	$\vdash \vdash$
	112	H	\vdash	\vdash	\vdash	┢	├	 	-	dash
	111 112 113 114 115	\vdash	┝	 	-	\vdash	⊢	\vdash	-	$\vdash \vdash$
_	115	⊢	├	├		\vdash	⊢	-	┝	Н
	116	\vdash		\vdash	-	<u> </u>	-	⊢	-	H
<u> </u>	117	\vdash	 	 	\vdash	\vdash	\vdash	-	-	H
<u> </u>	117 118 119 120 121 122 123 124	-	\vdash	\vdash	\vdash	\vdash	-	一		Н
	110	_	-	\vdash	_	├─	-	-	\vdash	H
	120	\vdash	-	-	\vdash	\vdash	\vdash	-	-	Н
	121	\vdash	\vdash	_			\vdash	-	-	Н
	122	_	-	_			Н		-	Н
	123	\vdash			_	\vdash		\vdash	Т	Н
	124			Т		_				П
	125									П
	126			\vdash						П
	127		$\overline{}$	Г						
	128									
	129									
	130									
	131	<u> </u>	<u> </u>							Ш
	132	_	Ļ	<u> </u>			乚	_		Ш
	133	_				L_	<u> </u>			Ш
	125 126 127 128 129 130 131 132 133 134 135	<u> </u>	<u> </u>	<u> </u>		ļ	<u> </u>		! —	Щ
	135	<u> </u>	<u> </u>	┞	ļ	ļ	<u> </u>	_		Н
	136	├	<u> </u>	\vdash		<u> </u>	<u> </u>	⊢	<u> </u>	$\vdash \vdash$
	136 137 138	<u> </u>	-	├-	-	<u> </u>	-		_	$\vdash\vdash$
	138	 	-	 	 	├-	⊢	—	-	$\vdash\vdash$
L	139 140	-	\vdash	\vdash	-	\vdash	\vdash	-		┝╾┥
		├	-	\vdash	-	\vdash	-	-	-	$\vdash \vdash$
ļ	141	\vdash	\vdash	\vdash	\vdash	\vdash	\vdash	-		$\vdash\vdash$
	143	\vdash	\vdash	\vdash	\vdash	\vdash	\vdash	-	\vdash	H
<u> </u>	144		-	┢	-	 	Ι	\vdash	┢	뻐
	145	┰	 	\vdash		Ι-	-	-	<u> </u>	Н
	146	\vdash	\vdash	\vdash	_	\vdash	Н	\vdash	\vdash	H
	147	\vdash	\vdash		Ι-	Ι.	Н			Н
	148	l	H			T	H	<u> </u>		Н
	149	\vdash	\vdash	Т	 	T	Н		<u> </u>	H
<u> </u>	150		\vdash	T		 			<u> </u>	М
		۰	Ь—	—		_	_		_	